

Dates of Tests: June 21 ~ July 20, 2018
Test Report S/N: LR500111808E
Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

2AQQZJOMT-AH-01A

APPLICANT

JIONMEDITECH

Equipment Class	:	Digital Transmission System (DTS)
Manufacturing Description	:	Beauty equipment.
Manufacturer	:	JIONMEDITECH.
Model name	:	JOMT-AH-01A
Variant Model name	:	JOMT-AH-01B
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C ; ANSI C-63.4-2014
Frequency Range	:	2402 ~ 2480 MHz
Max. Output Power	:	Max -6.04 dBm – Conducted
Data of issue	:	August 20, 2018

This test report is issued under the authority of:



Ja-Beom, Koo / Manager

The test was supervised by:



jae-Hum, Yeon / Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



NVLAP LAB Code.: 200723-0

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1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 17159
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 E-mail : chahn@ltalab.com
 Telephone : +82-31-323-6008
 Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
NVLAP	U.S.A	200723-0	2018-09-30	ECT accredited Lab.
RRA	KOREA	KR0049	-	EMC accredited Lab.
FCC	U.S.A	649054	2019-04-13	FCC CAB
VCCI	JAPAN	C-4948,	2020-09-10	VCCI registration
VCCI	JAPAN	T-2416,	2020-09-10	VCCI registration
VCCI	JAPAN	R-4483(10 m),	2020-10-15	VCCI registration
VCCI	JAPAN	G-847	2018-12-13	VCCI registration
IC	CANADA	5799A-1	2019-11-07	IC filing
KOLAS	KOREA	NO.551	2021-08-20	KOLAS accredited Lab.
NVLAP	U.S.A	200723-0	2019-03-15	ECT accredited Lab.

2. Information about test item

2-1 Client & Manufacturer

Company name : JIONMEDITECH
 Address : #302, Business Center, Yeon-Sung Univ., 34, Yanghwa-ro 37beon-gil,
 Manan-gu, Anyang-si, Gyeonggi-do 14011, Korea
 Tel / Fax : TEL No : +31-8002-0079 / FAX No : +31-8002-0079

2-2 Equipment Under Test (EUT)

Trade name : DUALSONIC
 Model name : JOMT-AH-01A
 Serial number : Identical prototype
 Date of receipt : June 20, 2018
 EUT condition : Pre-production, not damaged
 Antenna type : Chip Antenna (Max Gain : 2 dBi)
 Frequency Range : 2402 ~ 2480 MHz
 RF output power : Max -6.04 dBm – Conducted
 Number of channels : 40
 Type of Modulation : GFSK
 Power Source : 5.0 Vdc

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2402	2442	2480

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
Notebook	CR720	MS-1736	MSI

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
15.247(a)	6 dB Bandwidth	> 500 kHz	Conducted	C
15.247(b)	Transmitter Peak Output Power	< 1 Watt		C
15.247(d)	Transmitter Power Spectral Density	< 8 dBm @ 3 kHz		C
15.247(d)	Band Edge	> 20 dBc		C
15.209	Field Strength of Harmonics	Emission	Radiated	C
15.207	AC Conducted Emissions	Emissions	Conducted	C
15.203	Antenna requirement	-	-	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

Note 2: This product operates only with battery and does not operate during charging.

The above equipment was tested by LTA Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247 The test results of this report relate only to the tested sample identified in this report.

→ Antenna Requirement

The **JIONMEDITECH** FCC ID: **2AQQZJOMT-AH-01A** unit complies with the requirement of §15.203.

The antenna type is Chip Antenna.

3.2 Technical Characteristics Test

3.2.1 6 dB Bandwidth

Procedure:

The bandwidth at 6 dB below the highest in-band spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

Span = 5 MHz

VBW = 100 kHz (VBW \geq RBW)

Sweep = auto

Trace = max hold

Detector function = peak

Measurement Data : **Complies**

Frequency (MHz)	Test Results	
	Measured Bandwidth (MHz)	Result
2402	0.716	Complies
2442	0.731	Complies
2480	0.745	Complies

- See next pages for actual measured spectrum plots.

Minimum Standard:

6 dB Bandwidth > 500 kHz

Measurement Setup

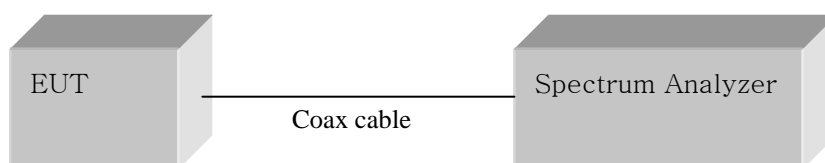
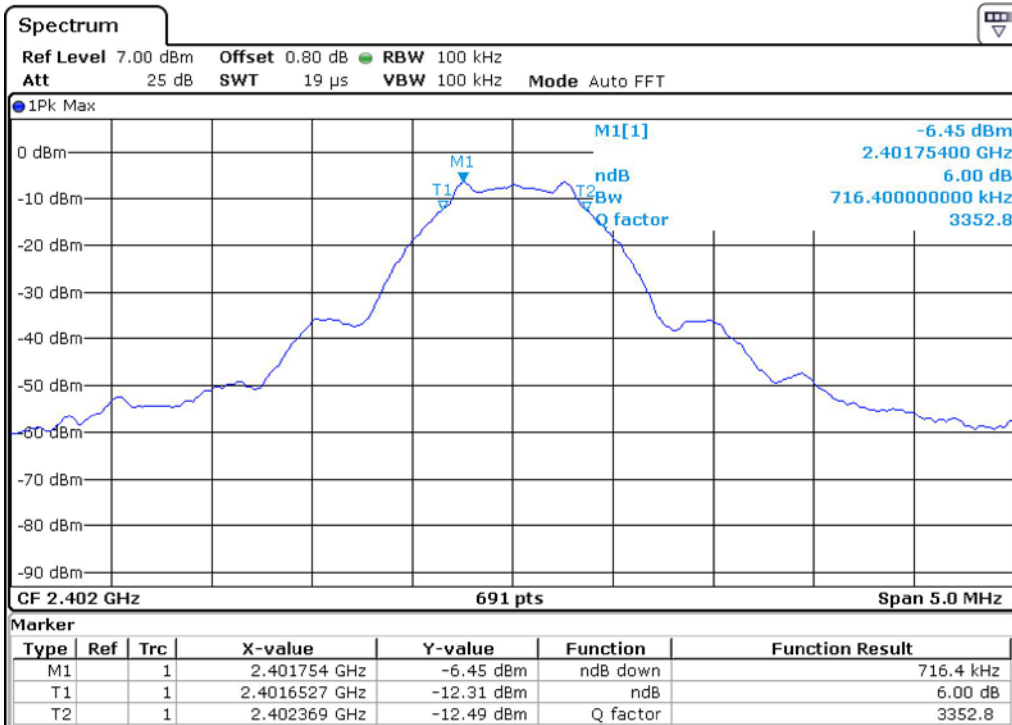
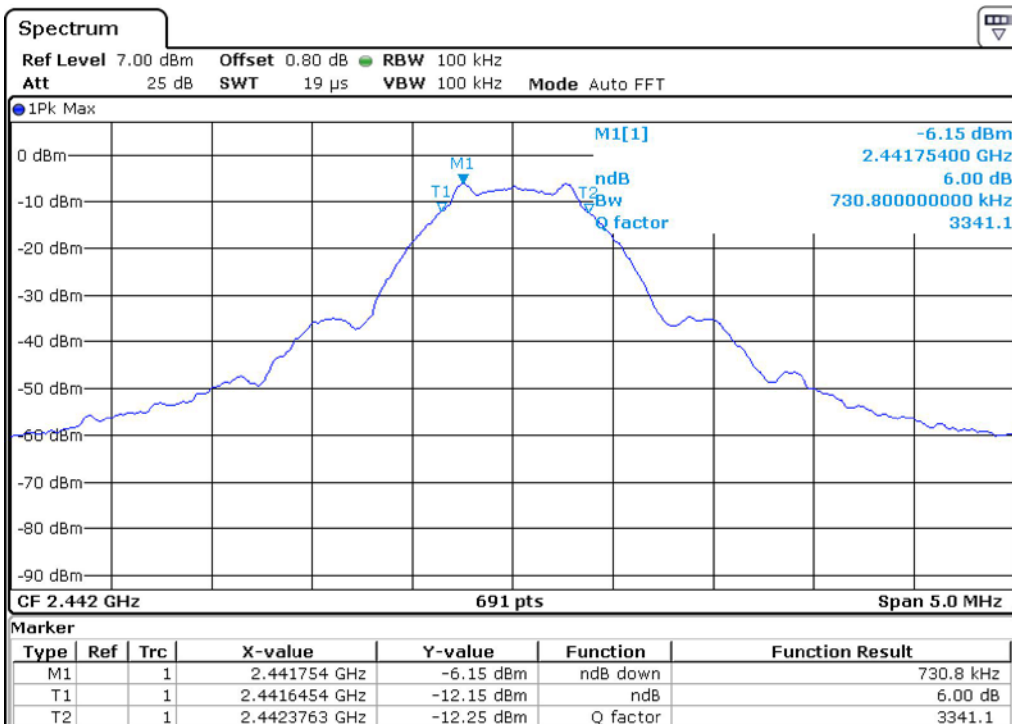


Figure 1: Measurement setup for the carrier frequency separation

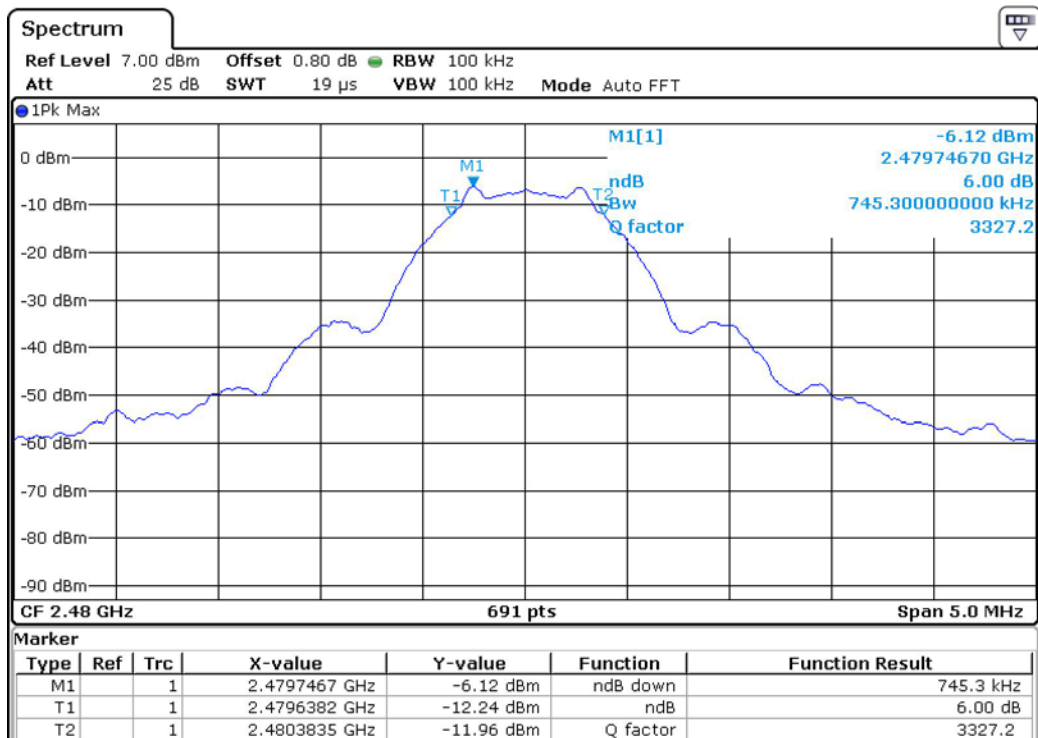
Low Channel



Middle Channel



High Channel



3.2.2 Peak Output Power Measurement

Procedure:

The maximum peak output power was measured with the spectrum analyzer connected to the antenna output of the EUT. The spectrum analyzer's internal channel power integration function is used to integrate the power over a bandwidth greater than or equal to the 99 % bandwidth. The EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 1 MHz

Span = auto

VBW = 3 MHz (VBW \geq 3 * RBW)

Sweep = auto

Detector function = peak

Measurement Data : **Complies**

Frequency (MHz)	Test Results		
	dBm	mW	Result
2402	-6.19	0.240	Complies
2442	-6.04	0.249	Complies
2480	-6.10	0.245	Complies

- See next pages for actual measured spectrum plots.

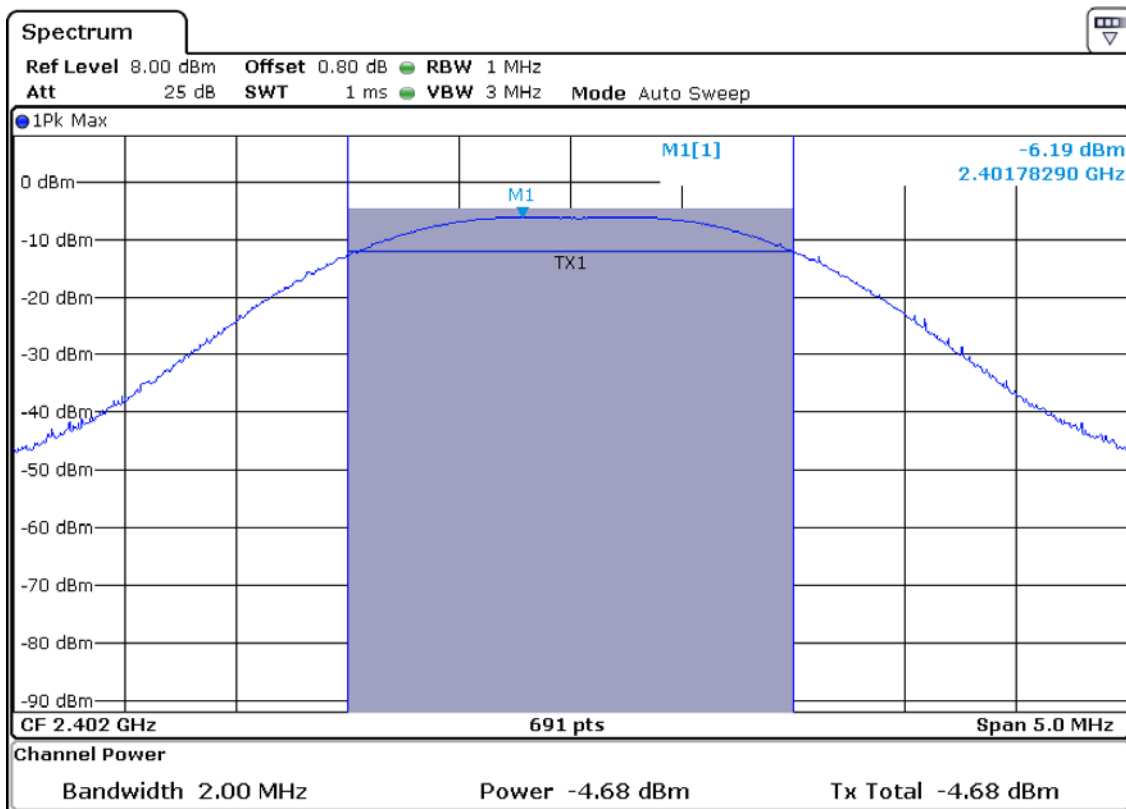
Minimum Standard:

Peak output power	< 1 W
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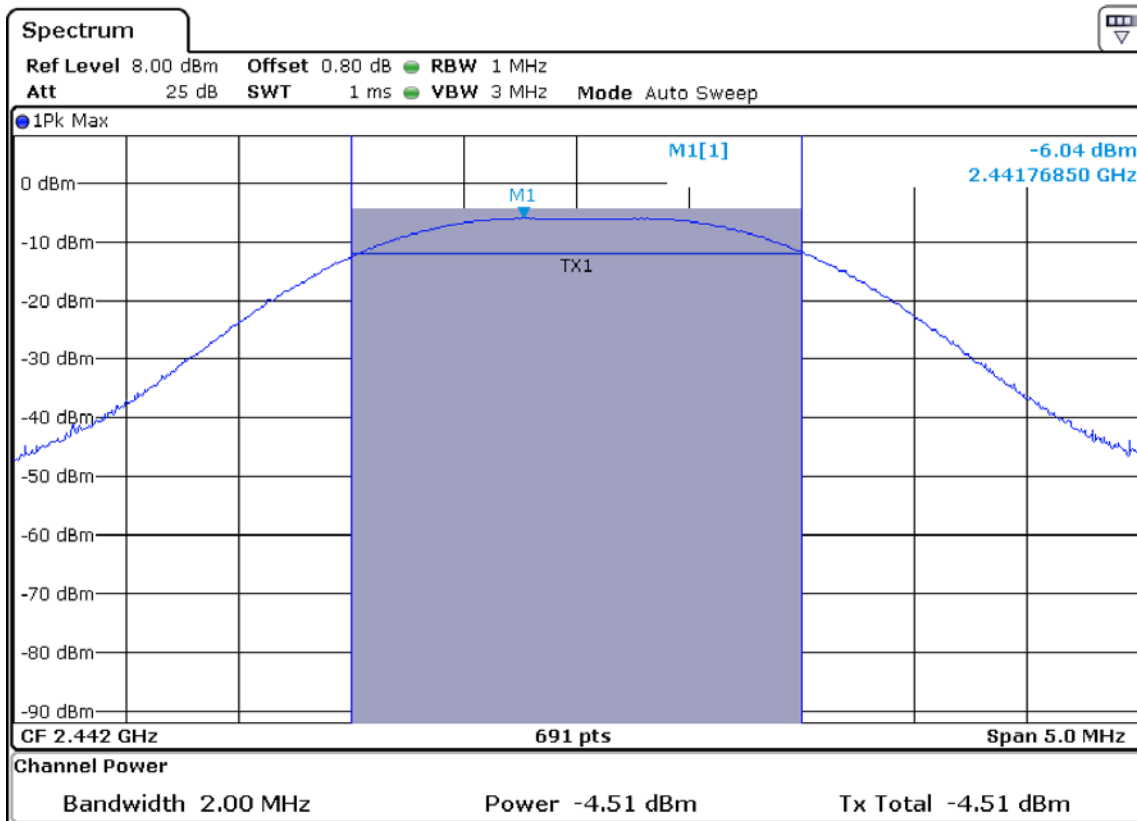
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

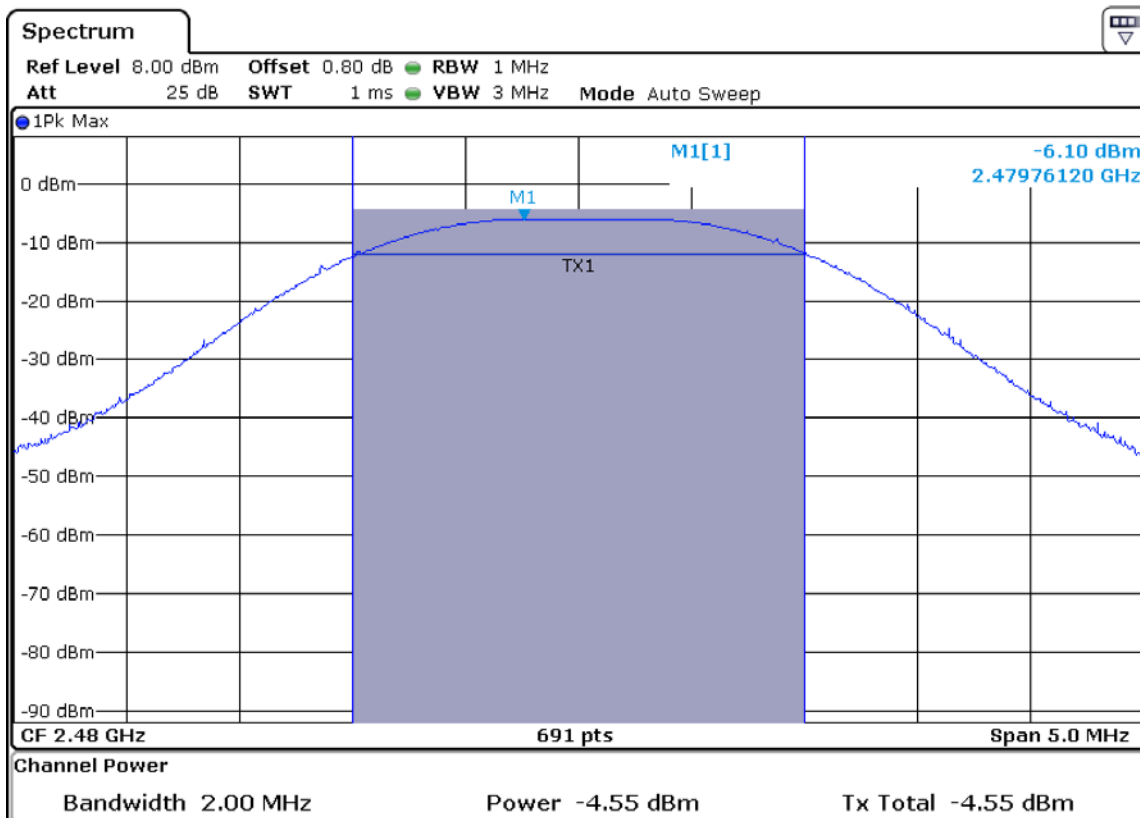
Low Channel



Middle Channel



High Channel



3.2.3 Power Spectral Density

Procedure:

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The spectrum analyzer is set to:

RBW = 3 kHz ($3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$)

Span = 1.5 times the DTS bandwidth

VBW = 10 kHz ($3 * \text{RBW}$)

Sweep = auto

Detector function = peak

Trace = max hold

Measurement Data : **Complies**

Frequency (MHz)	Test Results	
	dBm	Result
2402	-15.20	Complies
2442	-15.25	Complies
2480	-14.85	Complies

- See next pages for actual measured spectrum plots.

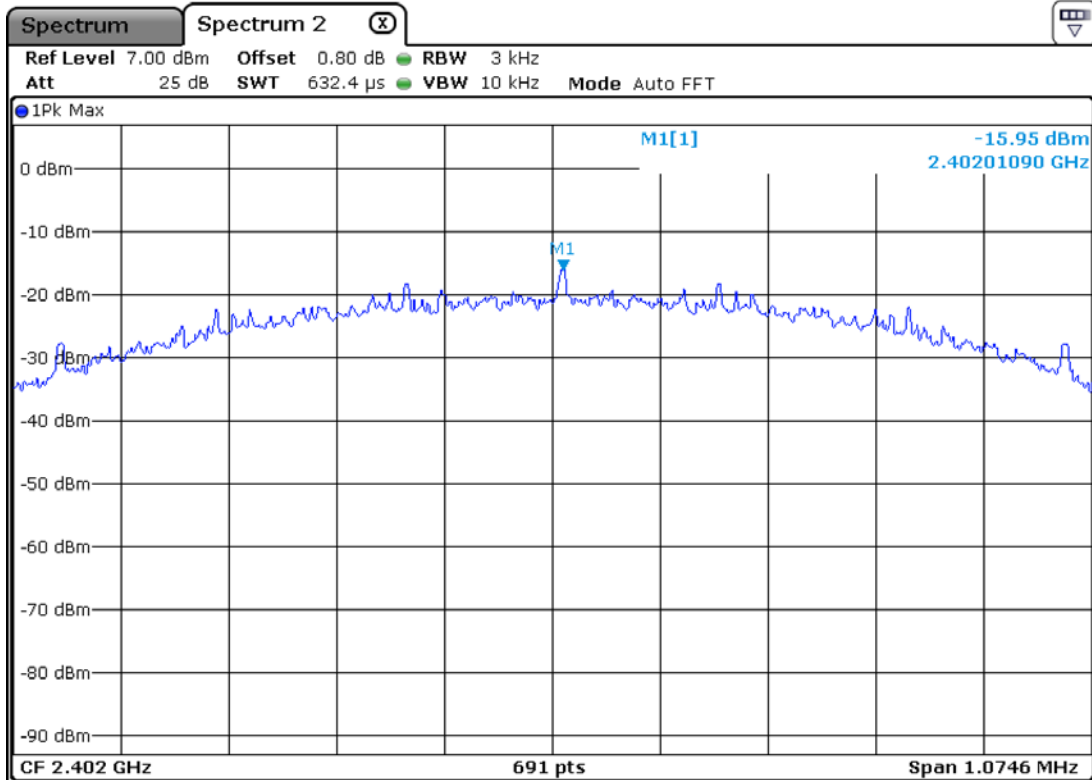
Minimum Standard:

Power Spectral Density	< 8 dBm @ 3 kHz BW
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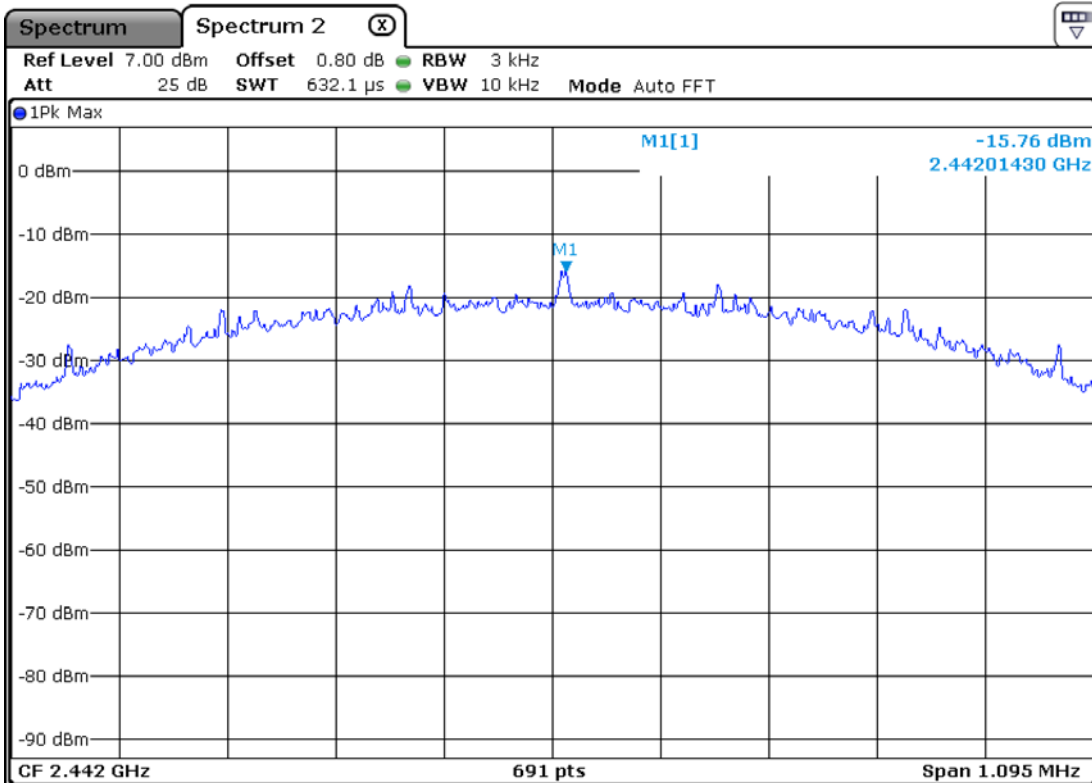
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

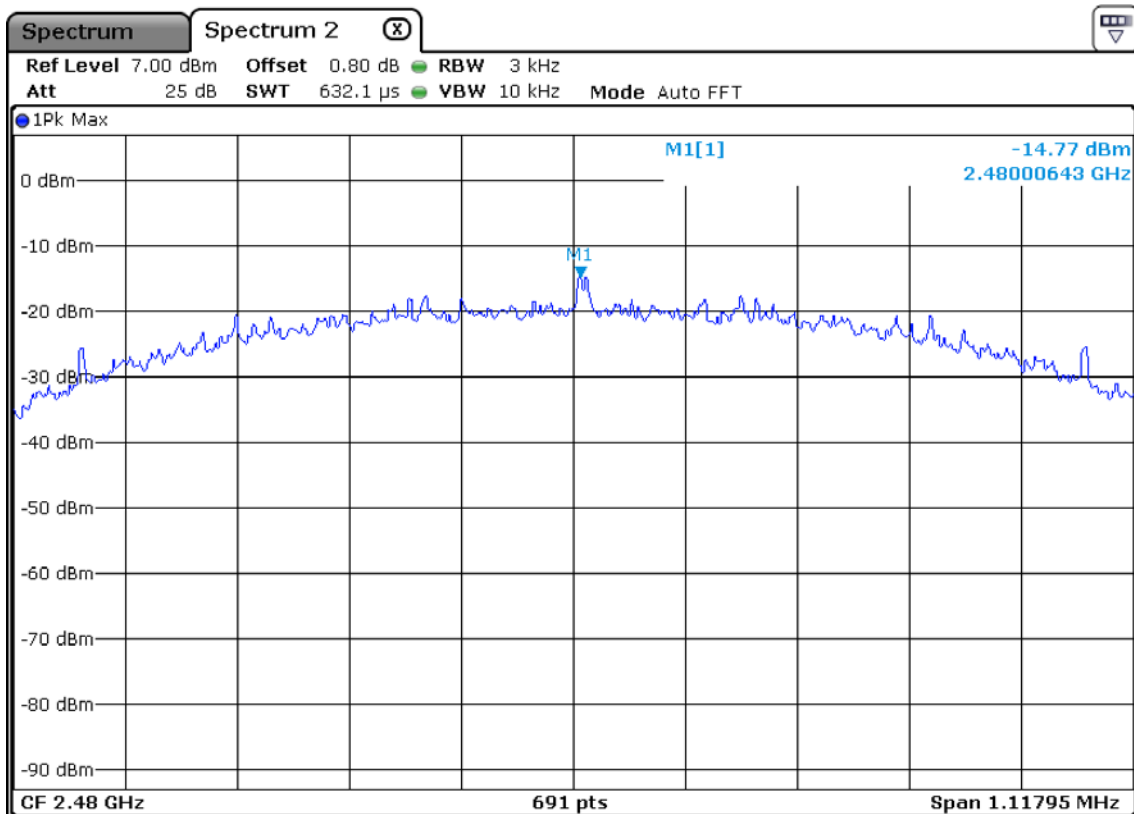
Power Density Measurement Low Channel



Middle Channel



High Channel



3.2.4 Band Edge

Procedure:

The bandwidth at 20 dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

VBW = 100 kHz

Span = 40 MHz, 100 MHz

Detector function = peak

Trace = max hold

Sweep = auto

Radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

The spectrum analyzer is set to:

Center frequency = the highest, the lowest channels

PEAK:

RBW = 1 MHz, VBW \geq 3 MHz, Sweep=Auto

Average:

RBW = 1 MHz, VBW = 10 Hz, Sweep=Auto

Measurement Distance:

3 m

Polarization:

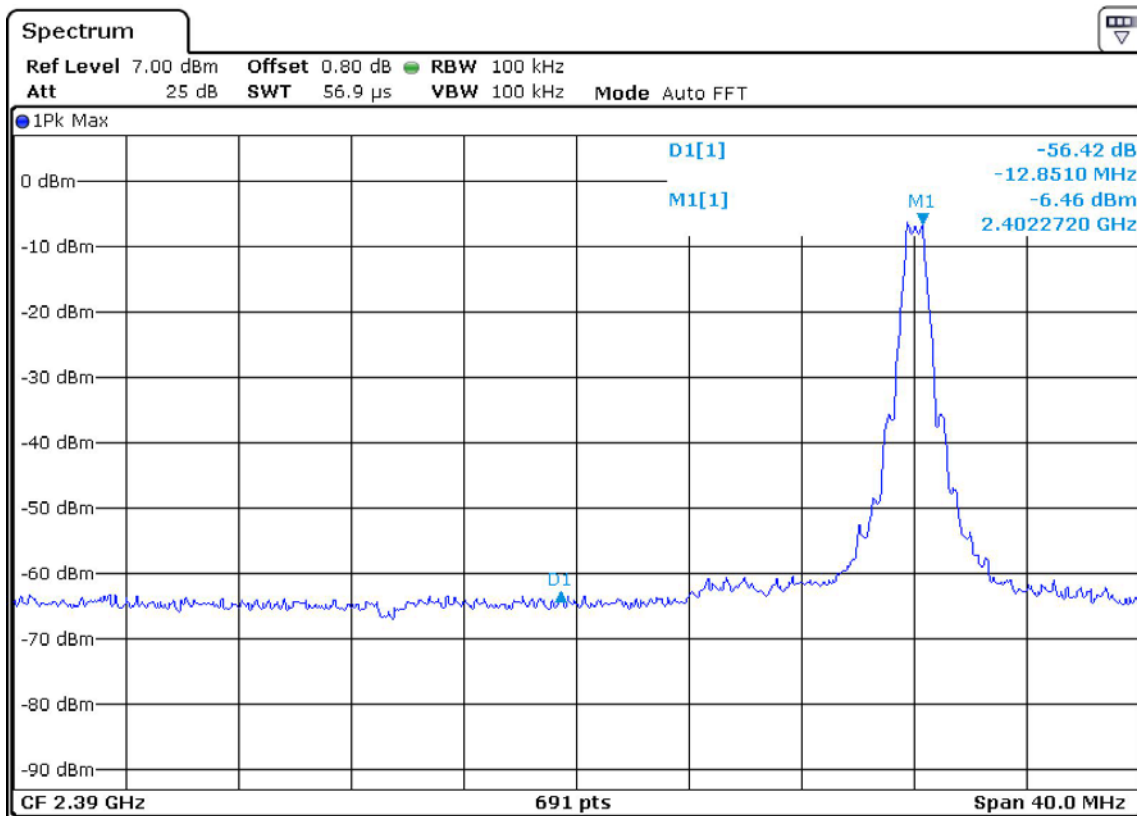
Horizontal / Vertical

Measurement Data: Complies

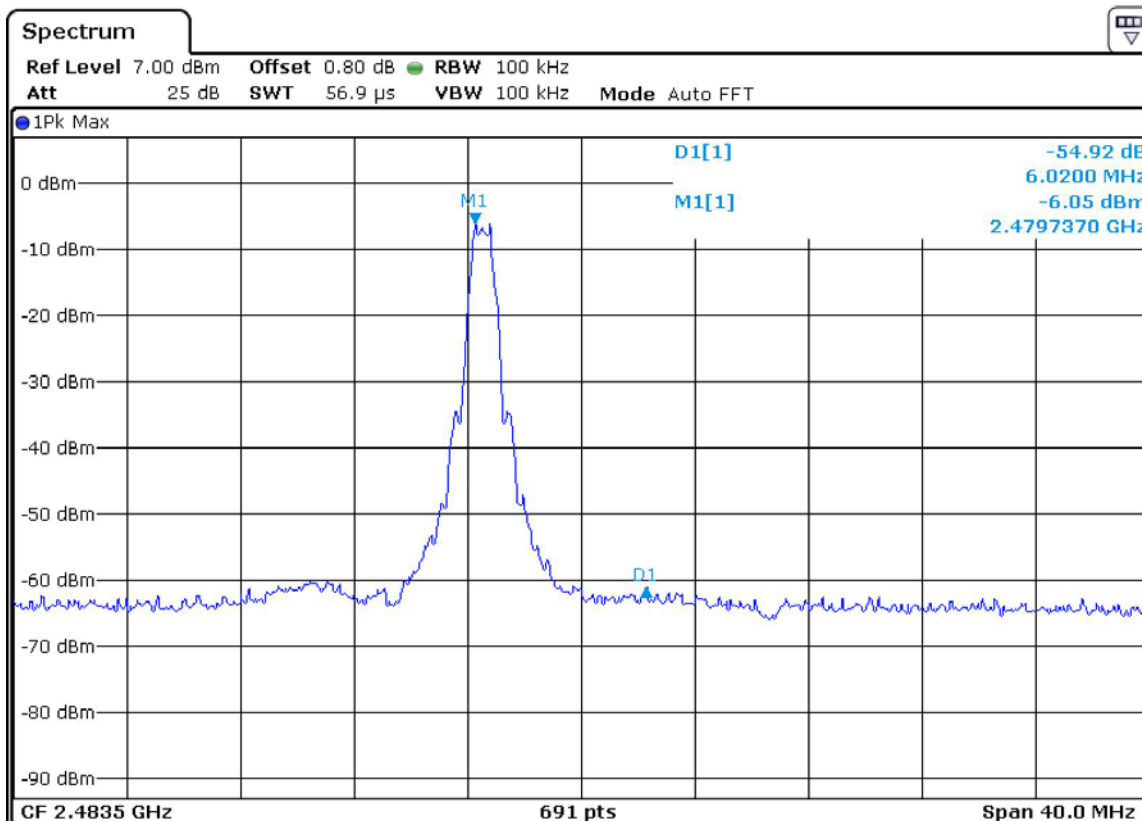
- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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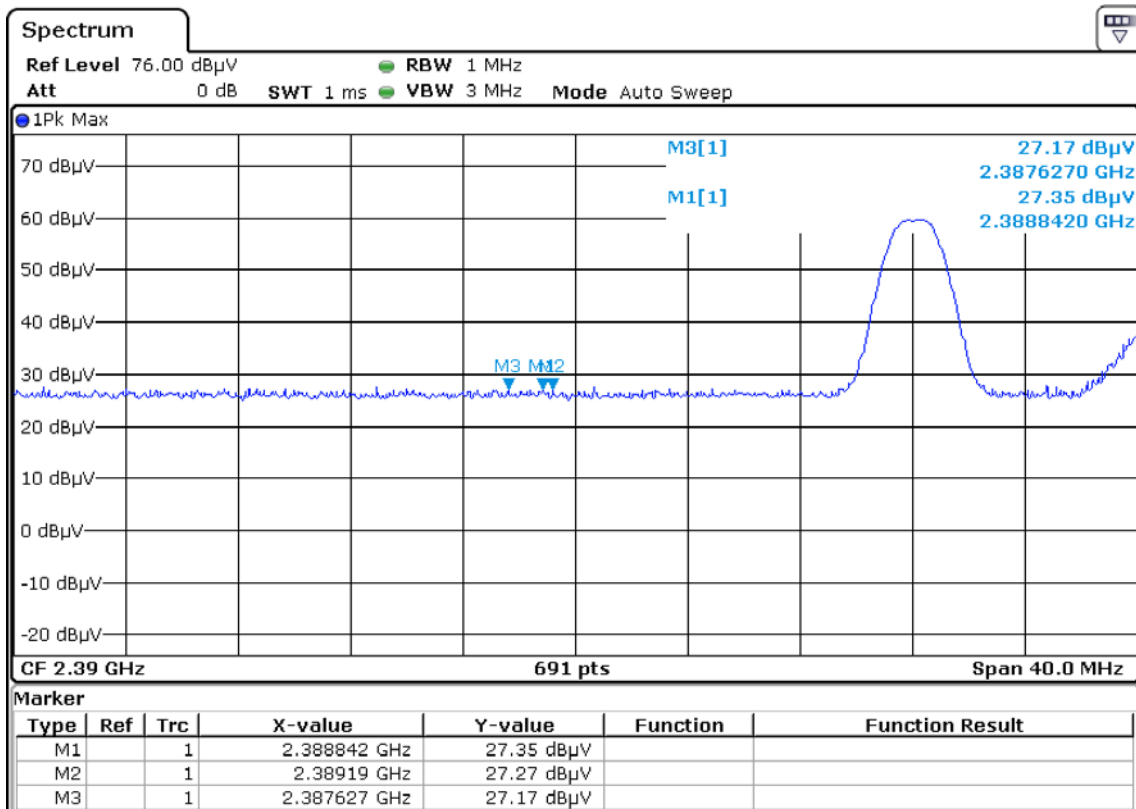
Lower edge



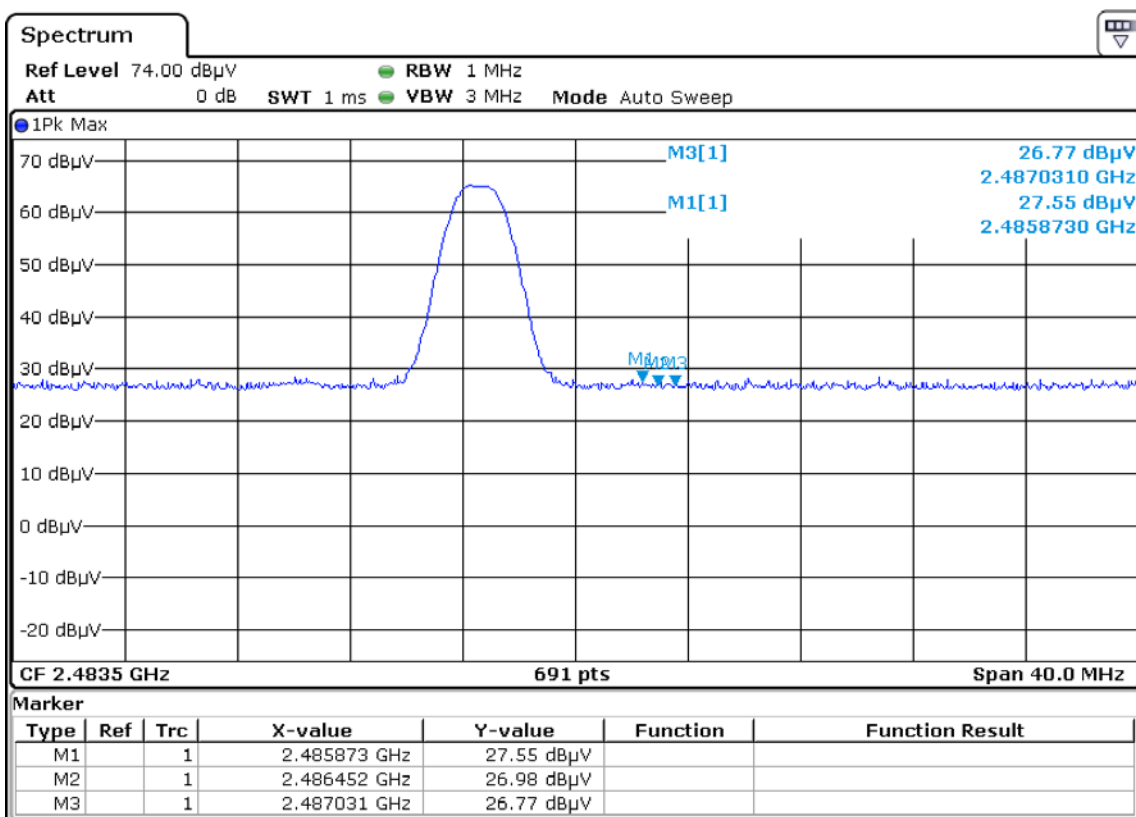
Upper edge



Radiated emissions Lower edge



Radiated emissions Upper edge



Radiated Band-edges in the restricted band 2310-2390 MHz measurement

Frequency [MHz]	Reading [dBuV/m]		Pol.	Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]	
	AV / Peak			Antenna	Amp. Gain + Cable Loss	AV / Peak		AV / Peak		AV / Peak	
2388.8	22.15	27.35	H	28.08	8.77	54	74	41.46	46.66	12.54	27.34
2389.2	22.08	27.27	H	28.09	8.78	54	74	41.39	46.58	12.61	27.42
2387.6	21.94	27.17	H	28.08	8.77	54	74	41.25	46.48	12.75	27.52

Radiated Band-edges in the restricted band 2483.5-2500 MHz measurement

Frequency [MHz]	Reading [dBuV/m]		Pol.	Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]	
	AV / Peak			Antenna	Amp. Gain + Cable Loss	AV / Peak		AV / Peak		AV / Peak	
2485.9	22.34	27.55	H	27.88	8.57	54	74	41.65	46.86	12.35	27.14
2486.5	21.86	26.98	H	27.88	8.57	54	74	41.17	46.29	12.83	27.71
2487	21.65	26.77	H	27.88	8.57	54	74	40.96	46.08	13.04	27.92

Note : This EUT was tested in 3 orthogonal positions and the worst-case data was presented

3.2.5 Conducted Spurious Emissions

Procedure:

The test follows KDB558074. The conducted spurious emissions were measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, set the marker on the peak of any spurious emission recorded.

The spectrum analyzer is set to:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions

RBW = 100 kHz

Sweep = auto

VBW = 100 kHz

Detector function = peak

Trace = max hold

Measurement Data: **Complies**

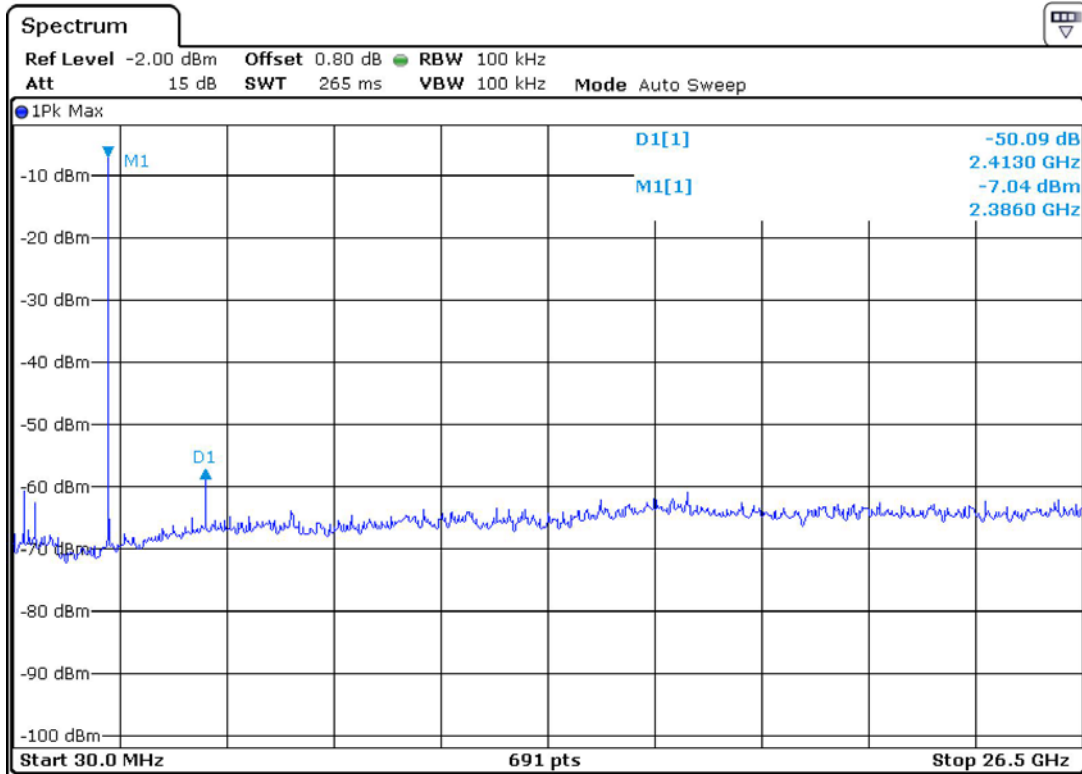
- All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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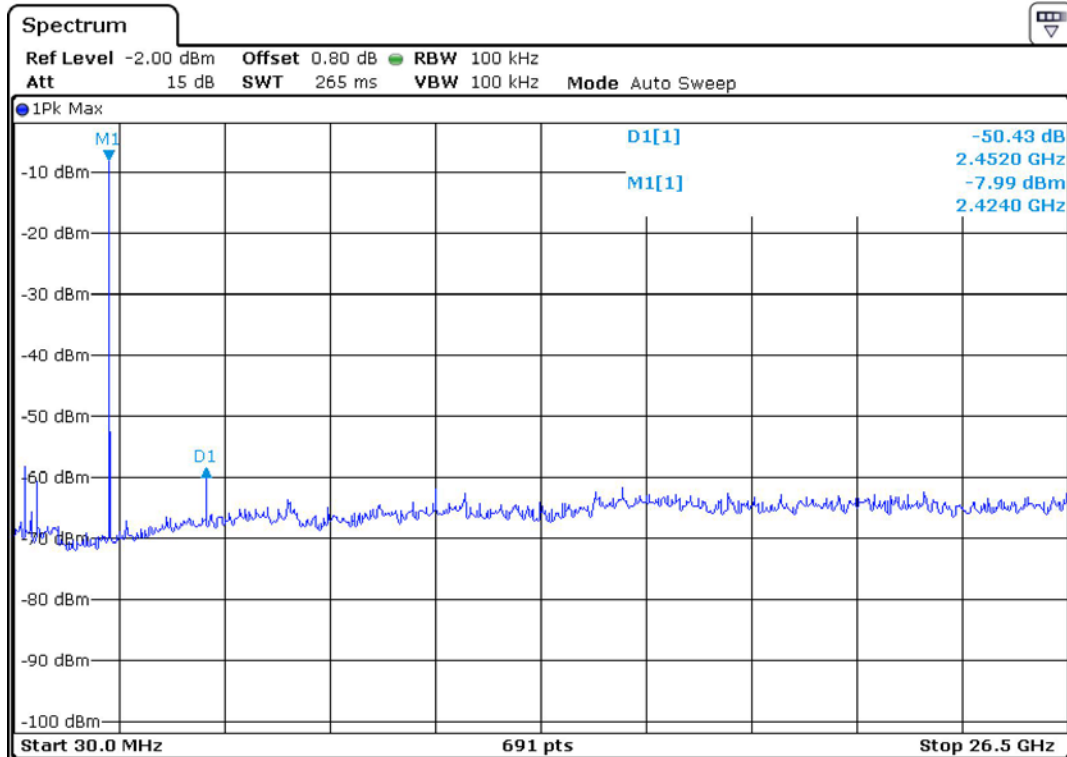
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

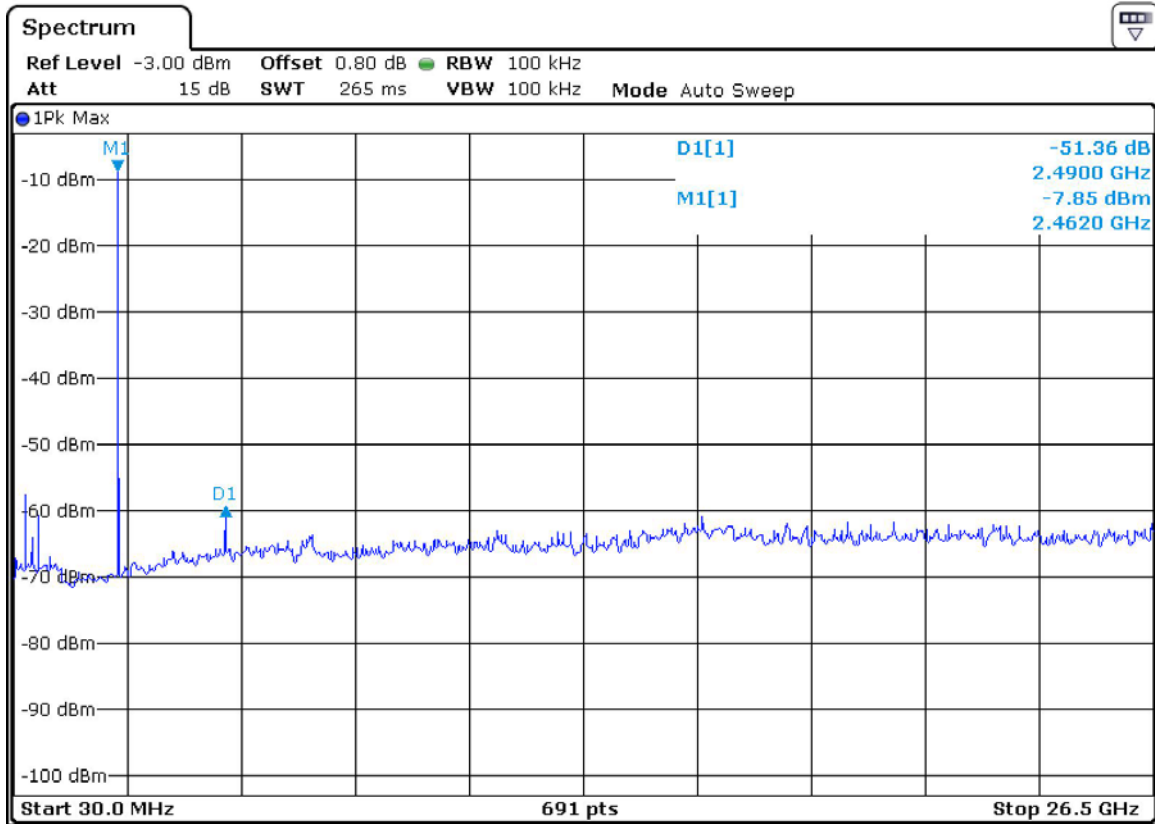
Unwanted Emission – Low Channel
Frequency Range = 30 MHz ~ 26.5 GHz



Unwanted Emission – Middle Channel
Frequency Range = 30 MHz ~ 26.5 GHz



Unwanted Emission – High Channel
Frequency Range = 30 MHz ~ 26.5 GHz



3.2.6 Radiated Spurious Emissions

Procedure:

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.10-2013.

The EUT is a placed on as turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 9 kHz ~ 10th harmonic.

RBW = 100 kHz (30 MHz ~ 1 GHz)

= 1 MHz (1 GHz ~ 10th harmonic)

Span = 100 MHz

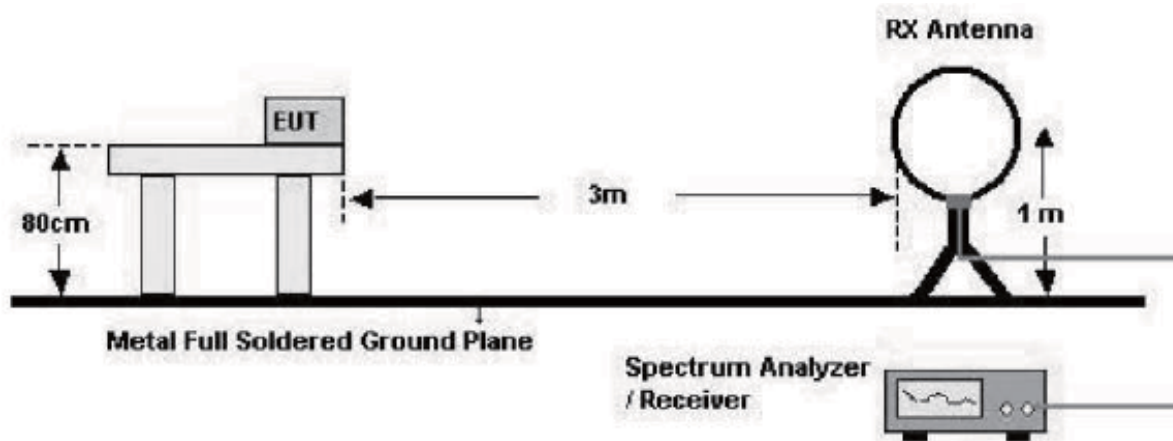
Trace = max hold

VBW \geq RBW

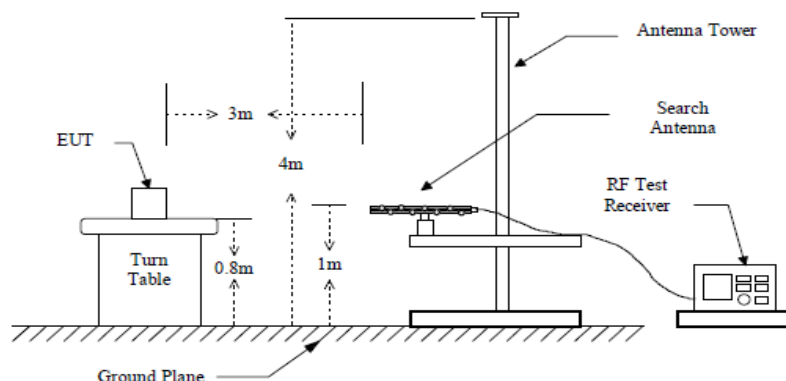
Detector function = peak

Sweep = auto

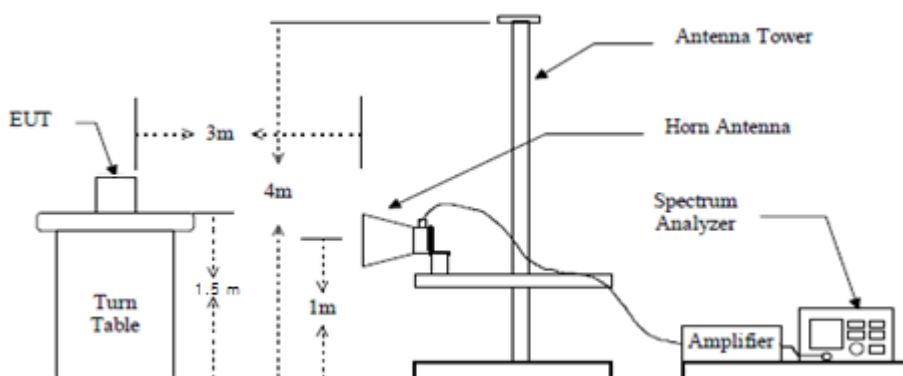
below 30 MHz



below 1 GHz (30 MHz to 1 GHz)



above 1 GHz



Measurement Data: **Complies**

- See next pages for actual measured data.
- 30 MHz or less 414788 D01 Radiated Test Site The results of the test were compared to confirm the similarity of the test results.
- No other emissions were detected at a level greater than 20 dB below limit include from 9 kHz to 30MHz.

Minimum Standard: FCC Part 15.209(a)

Frequency (MHz)	Limit (uV/m) @ 3 m
0.009 ~ 0.490	2400/F(kHz) (@ 300 m)
0.490 ~ 1.705	24000/F(kHz) (@ 30 m)
1.705 ~ 30	30(@ 30 m)
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Measurement Data : (9 kHz – 30 MHz)

Frequency [MHz]	Reading [dBuV/m]		Pol.	Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]	
	AV / Peak			Antenna	Amp.Gain+Cable	AV / Peak		AV / Peak		AV / Peak	
-	-	-	-	-	-	-	-	-	-	-	-
No emissions were detected at a level greater than 20 dB below limit.											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Measurement Data : (Below 1 GHz)

Frequency [MHz]	Reading [dBuV/m]		Pol.	Correction Factor		Limits [dBuV/m]	Result [dBuV/m]	Margin [dB]
	AV / Peak			Antenna	Amp.Gain+Cable			
50.37	50.17		V		-13.92	40	36.25	3.75
-	-		-		-	-	-	-
-	-		-		-	-	-	-

- No other emissions were detected at a level greater than 20 dB below limit.

Measurement Data : (Above 1 GHz)

Frequency [MHz]	Reading [dBuV/m]		Pol.	Correction Factor		Limits [dBuV/m]		Result [dBuV/m]		Margin [dB]	
	AV / Peak			Antenna	Amp.Gain+Cable	AV/Peak		AV/Peak		AV / Peak	
9088.72	19.58	23.67	H		28.04	54	74	47.62	51.71	6.38	22.29
-	-	-	-		-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-

- No other emissions were detected at a level greater than 20 dB below limit.

Radiated Emissions - (Below 1 GHz)

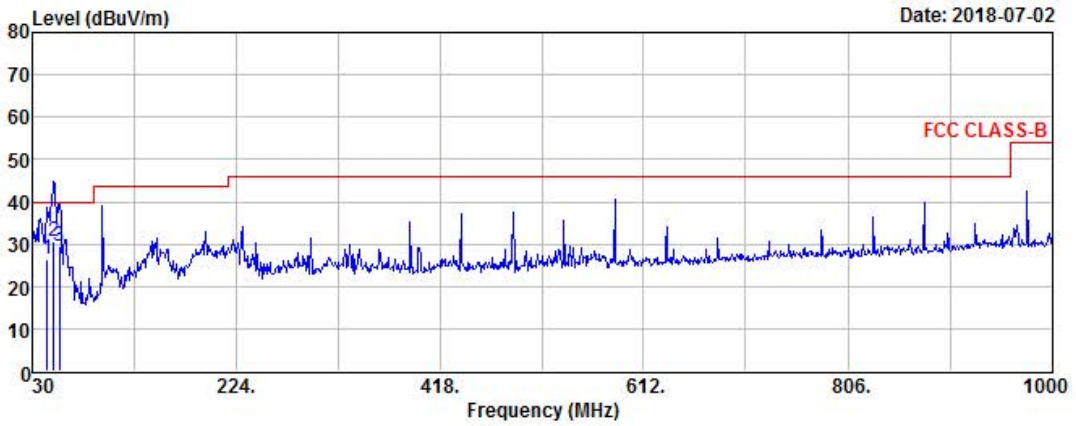


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EUT/Model No.: JOMT-AH-01A Temp/Humi: 23 / 49

Test Mode : BT BLE(low) Tested by: Yeon J H

Data: 83 File: C:\Program Files (x86)\e3\1807-1.EM6 (84)



Freq	Reading	C.F	Result	Limit	Margin	Height	Angle	Polarity
MHz	dBuV	dB	QP dBuV/m	dBuV/m	dB	cm	deg	
44.55	40.43	-13.99	26.44	40.00	13.56	110	210	VERTICAL
50.37	44.59	-13.92	30.67	40.00	9.33	130	244	VERTICAL
56.19	43.47	-14.17	29.30	40.00	10.70	100	95	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

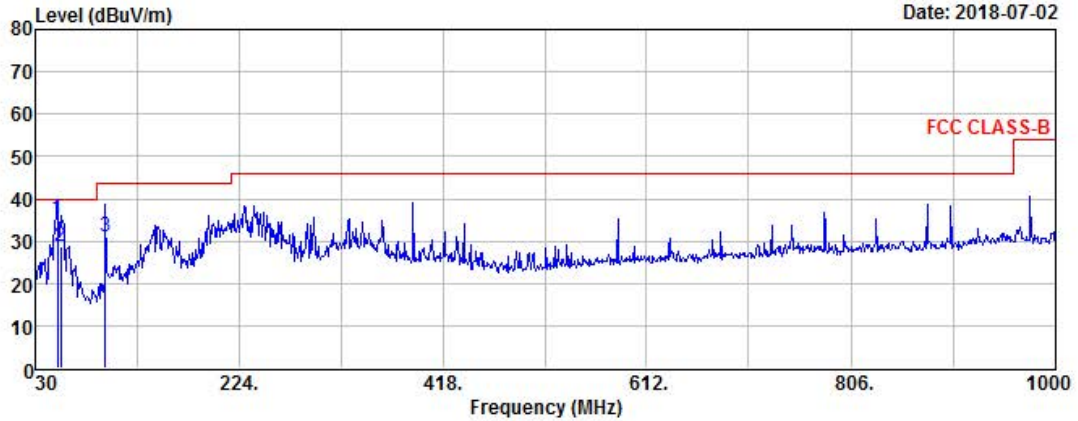


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www.ltalab.com

EUT/Model No.: JOMT-AH-01A Temp/Humi: 23 / 49

Test Mode : BT BLE(low) Tested by: Yeon J H

Data: 84 File: C:\Program Files (x86)\e3\1807-1.EM6 (84) Date: 2018-07-02



Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
51.34	49.22	-13.95	35.27	40.00	4.73	347	310	HORIZONTAL
54.25	42.89	-14.03	28.86	40.00	11.14	328	195	HORIZONTAL
96.93	48.03	-17.18	30.85	43.50	12.65	132	320	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



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EUT/Model No.: JOMT-AH-01A

Temp/Humi: 23 / 49

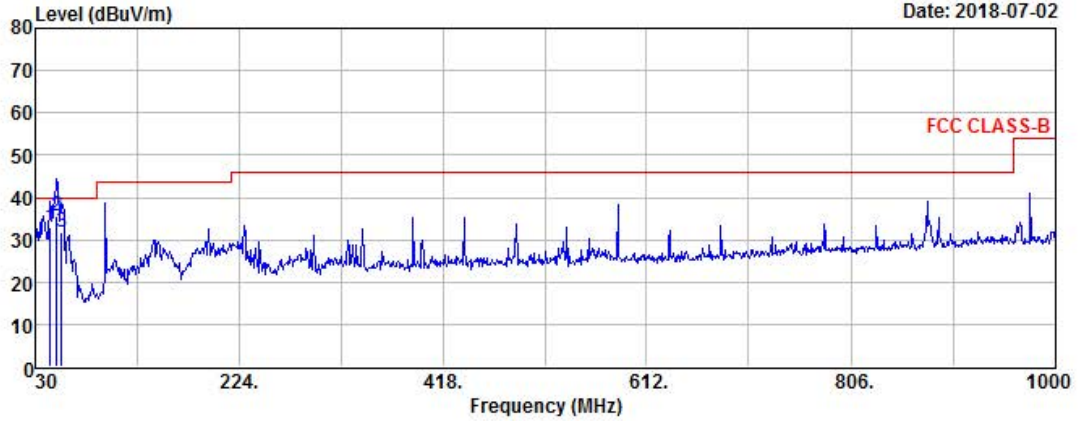
Test Mode : BT BLE(mid)

Tested by: Yeon J H

Data: 87

File: C:\Program Files (x86)\e3\1807-1.EM6 (87)

Date: 2018-07-02



Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
44.55	46.86	-13.99	32.87	40.00	7.13	147	96	VERTICAL
50.37	49.44	-13.92	35.52	40.00	4.48	339	238	VERTICAL
55.22	45.86	-14.07	31.79	40.00	8.21	182	251	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



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EUT/Model No.: JOMT-AH-01A

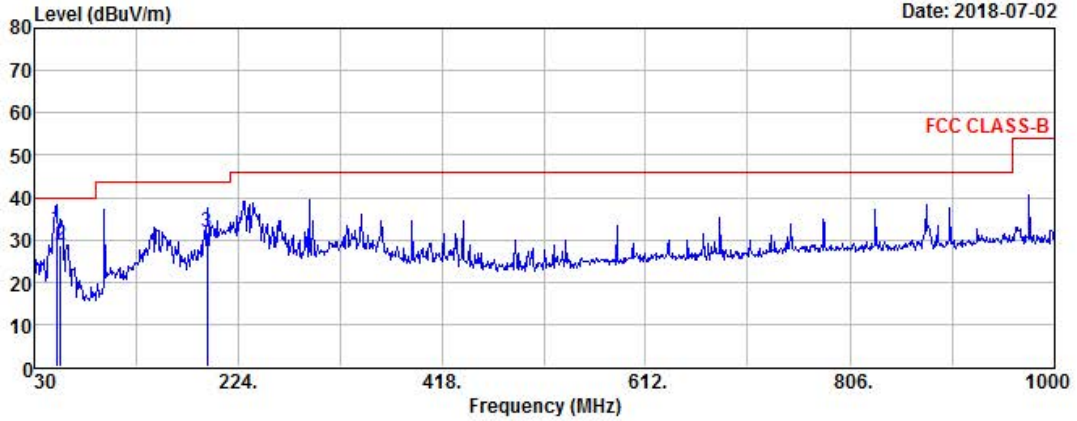
Temp/Humi: 23 / 49

Test Mode : BT BLE(mid)

Tested by: Yeon J H

Data: 88 File: C:\Program Files (x86)\e3\1807-1.EM6 (88)

Date: 2018-07-02



Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
51.34	46.33	-13.95	32.38	40.00	7.62	177	219	HORIZONTAL
55.22	42.85	-14.07	28.78	40.00	11.22	334	135	HORIZONTAL
194.90	46.36	-14.74	31.62	43.50	11.88	187	294	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

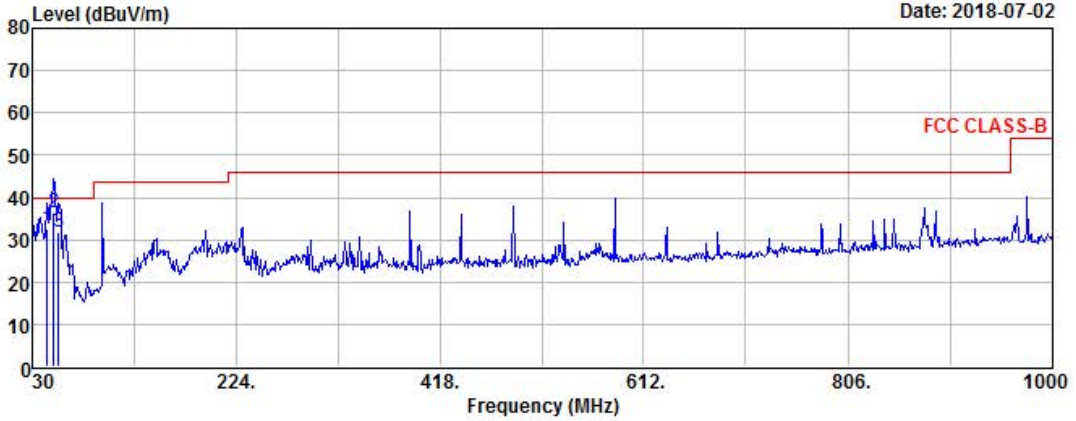


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EUT/Model No.: JOMT-AH-01A Temp/Humi: 23 / 49

Test Mode : BT BLE(high) Tested by: Yeon J H

Data: 91 File: C:\Program Files (x86)\e3\1807-1.EM6 (92) Date: 2018-07-02



Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
44.55	46.59	-13.99	32.60	40.00	7.40	176	224	VERTICAL
50.37	50.17	-13.92	36.25	40.00	3.75	331	195	VERTICAL
55.22	45.89	-14.07	31.82	40.00	8.18	198	224	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

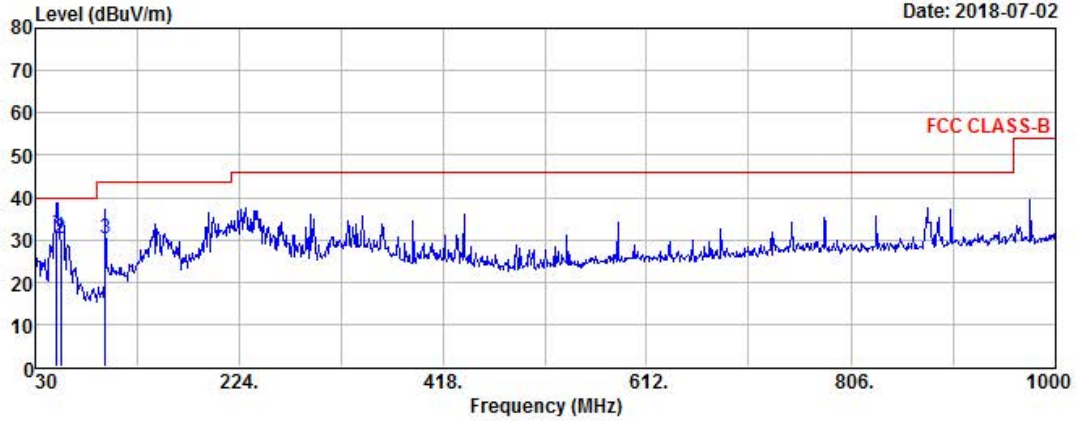


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EUT/Model No.: JOMT-AH-01A Temp/Humi: 23 / 49

 Test Mode : BT BLE(high) Tested by: Yeon J H

Data: 92 File: C:\Program Files (x86)\e3\1807-1.EM6 (92) Date: 2018-07-02



Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
50.37	45.62	-13.92	31.70	40.00	8.30	174	118	HORIZONTAL
54.25	44.30	-14.03	30.27	40.00	9.73	344	179	HORIZONTAL
96.93	47.41	-17.18	30.23	43.50	13.27	142	351	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Radiated Emissions - (Above 1 GHz)

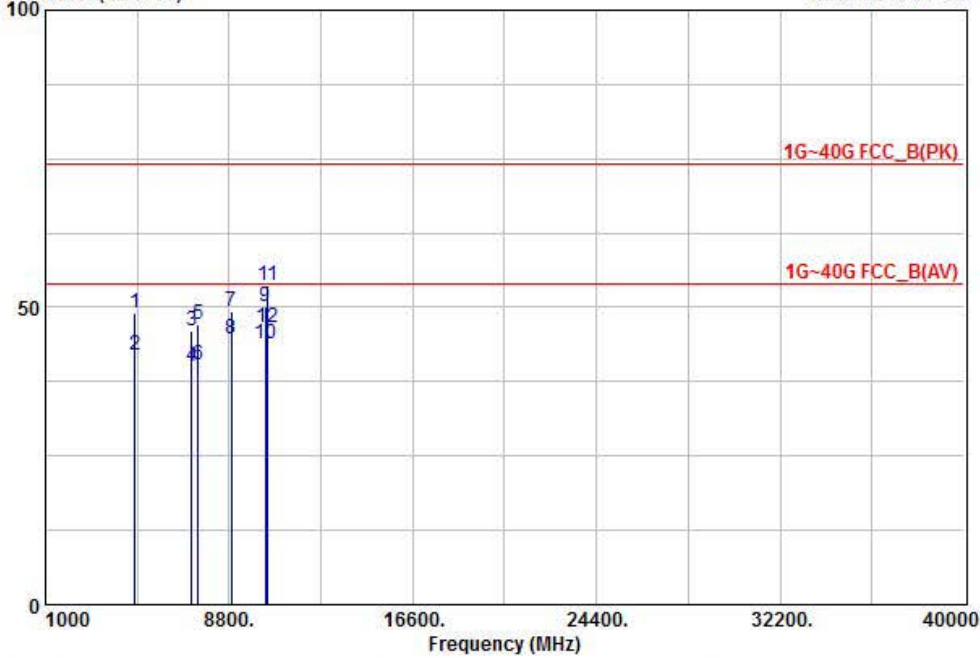


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EUT/Model No. : JOMT-AH-01A Test Mode: BLE (LOW)

 Tested by : YEON J H Temp/Humi: 22 / 62

Data: 22 File: D:\LTA_e3\3_backup\1GHz 이상\2018\CH1_ABOVE 1GHz_1806-1.EMI (24) Date: 2018-07-02
 Level (dBuV/m)



Line No.	Frequency (MHz)	Level (dBuV/m)	Correction Factor (dB)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Gain (dB)	Polarization
1	4803.05	31.19	17.76	48.95	74.00	25.05	HORIZONTAL
2	4803.05	24.22	17.76	41.98	54.00	12.02	HORIZONTAL
3	7211.26	18.04	27.98	46.02	74.00	27.98	HORIZONTAL
4	7211.26	12.19	27.98	40.17	54.00	13.83	HORIZONTAL
5	7477.84	15.65	31.55	47.20	74.00	26.80	VERTICAL
6	7477.84	8.69	31.55	40.24	54.00	13.76	VERTICAL
7	8902.47	21.27	28.11	49.38	74.00	24.62	HORIZONTAL
8	8902.47	16.52	28.11	44.63	54.00	9.37	HORIZONTAL
9	910327.44	19.76	30.50	50.26	74.00	23.74	VERTICAL
10	1010327.44	13.48	30.50	43.98	54.00	10.02	VERTICAL
11	1110446.91	22.76	30.99	53.75	74.00	20.25	VERTICAL
12	1210446.91	15.63	30.99	46.62	54.00	7.38	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain
 Blue : Vertical Black : Horizontal



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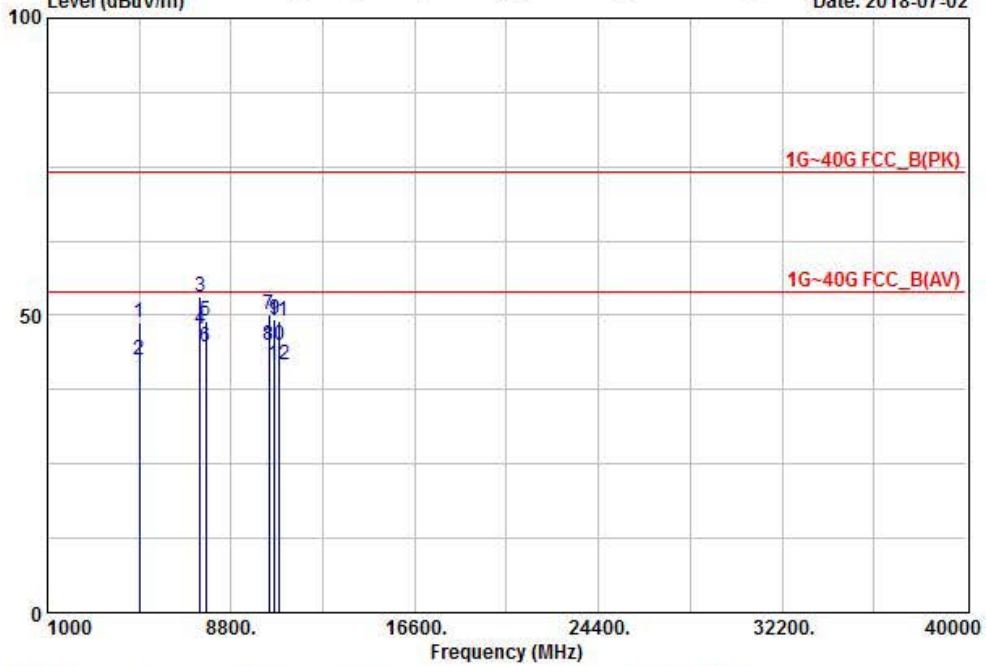
EUT/Model No. : JOMT-AH-01A

Test Mode: BLE (MID)

Tested by : YEON J H

Temp/Humi: 22 / 62

Data: 23 File: D:\LTA_e3\3_backup\1GHz 이상\2018\CH1_ABOVE 1GHz_1806-1.EMI (24) Date: 2018-07-02



Peak No.	Frequency (MHz)	Level (dBuV/m)	Bandwidth (MHz)	Correction Factor (dB)	Reference Level (dBuV/m)	Reference Level (dBuV/m)	Orientation
1	4887.93	30.61	18.05	48.66	74.00	25.34	HORIZONTAL
2	4887.93	24.53	18.05	42.58	54.00	11.42	HORIZONTAL
3	7494.65	21.43	31.72	53.15	74.00	20.85	VERTICAL
4	7494.65	15.88	31.72	47.60	54.00	6.40	VERTICAL
5	7713.18	19.22	29.92	49.14	74.00	24.86	HORIZONTAL
6	7713.18	14.74	29.92	44.66	54.00	9.34	HORIZONTAL
7	710411.03	19.25	30.83	50.08	74.00	23.92	VERTICAL
8	810411.03	14.17	30.83	45.00	54.00	9.00	VERTICAL
9	910651.75	17.46	31.81	49.27	74.00	24.73	HORIZONTAL
10	1010651.75	13.22	31.81	45.03	54.00	8.97	HORIZONTAL
11	1110802.86	16.78	32.19	48.97	74.00	25.03	HORIZONTAL
12	1210802.86	9.55	32.19	41.74	54.00	12.26	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain
 Blue : Vertical Black : Horizontal



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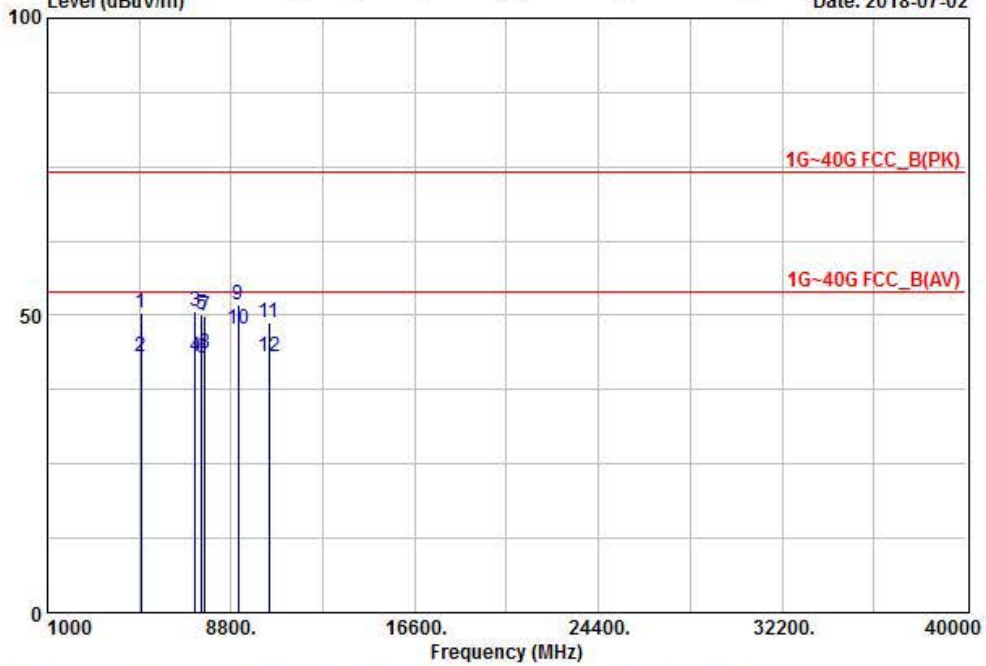
EUT/Model No. : JOMT-AH-01A

Test Mode: BLE (HIGH)

Tested by : YEON J H

Temp/Humi: 22 / 62

Data: 24 File: D:\LTA_e3\3_backup\1GHz 이상\2018\CH1_ABOVE 1GHz_1806-1.EMI (24) Date: 2018-07-02



No.	Freq (MHz)	Level (dBuV/m)	CF (dB)	Ant. Fact (dB)	Cable Loss (dB)	Preamp Gain (dB)	Orientation
1	4955.42	32.28	18.02	50.30	74.00	23.70	HORIZONTAL
2	4955.42	25.17	18.02	43.19	54.00	10.81	HORIZONTAL
3	7285.18	21.41	29.27	50.68	74.00	23.32	VERTICAL
4	7285.18	13.74	29.27	43.01	54.00	10.99	VERTICAL
5	7561.34	18.96	31.21	50.17	74.00	23.83	VERTICAL
6	7561.34	11.47	31.21	42.68	54.00	11.32	VERTICAL
7	7684.75	19.63	30.12	49.75	74.00	24.25	HORIZONTAL
8	7684.75	13.59	30.12	43.71	54.00	10.29	HORIZONTAL
9	9088.72	23.67	28.04	51.71	74.00	22.29	HORIZONTAL
10	9088.72	19.58	28.04	47.62	54.00	6.38	HORIZONTAL
11	110411.86	17.92	30.83	48.75	74.00	25.25	HORIZONTAL
12	1210411.86	12.24	30.83	43.07	54.00	10.93	HORIZONTAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain
 Blue : Vertical Black : Horizontal

3.2.7 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: Complies

Minimum Standard: FCC Part 15.207(a) / EN 55022

Frequency Range	quasi-peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

* Note: This product operates only with battery and does not operate during charging.

APPENDIX
TEST EQUIPMENT USED FOR TESTS

	Use	Description	Model No.	Serial No.	Manufacturer	Interval	Last Cal. Date
1		Signal Analyzer (9 kHz ~ 30 GHz)	FSV30	100757	R&S	1 year	2017-09-15
2		SYNTHESIZED CW GENERATOR	83711B	US34490456	HP	1 year	2018-03-19
3		Attenuator (3 dB)	8491A	37822	HP	1 year	2017-09-07
4		Attenuator (10 dB)	8491A	63196	HP	1 year	2017-09-07
5	■	EMI Test Receiver (~7 GHz)	ESCI7	100722	R&S	1 year	2017-09-07
6		RF Amplifier (~1.3 GHz)	8447D OPT 010	2944A07684	HP	1 year	2017-09-07
7	■	RF Amplifier (1~26.5 GHz)	8449B	3008A02126	HP	1 year	2018-03-21
8	■	Horn Antenna (1~18 GHz)	3115	00114105	ETS	2 year	2017-09-26
9		DRG Horn (Small)	3116B	81109	ETS-Lindgren	2 year	2018-05-03
10		DRG Horn (Small)	3116B	133350	ETS-Lindgren	2 year	2018-05-03
11	■	TRILOG Antenna	VULB 9160	9160-3237	SCHWARZBECK	2 year	2017-04-17
12		Temp.Humidity Data Logger	SK-L200TH II A	00801	SATO	1 year	2017-11-23
13	■	DC Power Supply	6674A	3637A01657	Agilent	-	-
14		AC Power Supply	HK-80	LR001	DAERIMTECH	-	-
15	■	Power Meter	EPM-441A	GB32481702	HP	1 year	2018-03-20
16	■	Power Sensor	8481A	3318A94972	HP	1 year	2017-12-26
17		Audio Analyzer	8903B	3729A18901	HP	1 year	2017-09-07
18		Modulation Analyzer	8901B	3749A05878	HP	1 year	2017-09-07
19	■	TEMP & HUMIDITY Chamber	YJ-500	LTAS06041	JinYoung Tech	1 year	2017-09-07
20		Stop Watch	HS-3	812Q08R	CASIO	2 year	2018-03-21
21		LISN	KNW-407	8-1430-1	Kyoritsu	1 year	2017-09-07
22		Two-Lime V-Network	ESH3-Z5	893045/017	R&S	1 year	2018-03-20
23		Highpass Filter	WHKX1.5/15G-10SS	74	Wainwright Instruments	1 year	2018-03-19
24		Highpass Filter	WHKX3.0/18G-10SS	118	Wainwright Instruments	1 year	2018-03-19
25		OSP120 BASE UNIT	OSP120	101230	R&S	1 year	2018-03-21
26	■	Signal Generator(100 kHz ~ 40 GHz)	SMB100A	177621	R&S	1 year	2018-03-20
27		Vector Signal Generator(9kHz ~ 6 GHz)	SMBV100A	255081	R&S	1 year	2018-03-20
28	■	Signal Analyzer (10 Hz ~ 40 GHz)	FSV40	101367	R&S	1 year	2018-03-20